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Erratum: "Revisiting the Integrated Star Formation Law. I. Non-starbursting Galaxies" (2019 ApJ, 872, 16)

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Supporting material: machine-readable table

Table 4 had incorrect star formation rates and star formation rate surface densities (columns 3–5). The table was generated after the rest of the paper and the errors were only introduced at that stage; the analysis was based on the correct values and the remainder of the paper is unchanged. This erratum presents a corrected table, which lists the computed star formation rates (SFRs), gas masses, and SFR and gas surface densities, as follows.

Column 1: running index number.
Column 2: galaxy name preferred by NED.
Column 3: total (UV-based) SFR, uncorrected for dust attenuation.
Column 4: total (UV-based) SFR, corrected for dust attenuation using IR.
Column 5: SFR surface density, corrected for dust attenuation.
Column 6: H I gas surface density.
Column 7: H I reference.
Column 8: H_2 gas surface density.
Column 9: H_2 reference.

We have also produced a new corrected version of the full online machine-readable table. We apologize to readers for any inconvenience caused by this error.

Table 4
SFRs, Gas Masses, and SFR and Gas Surface Densities

N	NED ID	$\log \mathrm{SFR}_{\mathrm{uncorr}}$ ($M_\odot$ yr^{-1})	$\log \mathrm{SFR}_{\mathrm{corr}}$ ($M_\odot$ yr^{-1})	$\log \Sigma_{\mathrm{SFR}}$ ($M_\odot$ yr^{-1} kpc^{-2})	$\log \Sigma_{\mathrm{H\,I}}$[a] ($M_\odot$ pc^{-2})	H I References	$\log \Sigma_{\mathrm{H_2}}$[a] ($M_\odot$ pc^{-2})	H_2 References
1	WLM	-2.62 ± 0.04	-2.59 ± 0.04	-2.16	0.81	127	…	…
2	NGC 7817	-0.56 ± 0.09	-0.14 ± 0.04	-2.28	0.94	8	1.06	2
3	NGC 0023	-0.50 ± 0.17	0.96 ± 0.09	-1.28	0.66	106	1.70	2
4	UGC 00191	…	…	…	0.93	146	…	…
5	MESSIER 031	-1.00 ± 0.04	-0.59 ± 0.07	-3.19	0.31	102	-0.38	3, 201
6	IC 1574	-2.80 ± 0.05	<-2.79	-2.99	0.49	149	…	…
7	NGC 0253	-0.89 ± 0.04	0.76 ± 0.06	-1.86	0.59	104, 105	0.89	1, 202, 228
8	UGCA 015	-3.22 ± 0.05	<-3.20	-3.51	0.41	149, 154	…	…
9	NGC 0278	0.02 ± 0.03	0.24 ± 0.04	-0.47	1.00	106	2.10	1
10	UGC 00634	-1.20 ± 0.19	-1.17 ± 0.18	-3.19	0.94	146	…	…

Note.
[a] As noted in the text, we assume conservative measurement uncertainties of ± 0.1 dex for $\log \Sigma_{\mathrm{H\,I}}$ and $\log \Sigma_{\mathrm{H_2}}$.
References. See Appendix B of the published article.
(This table is available in its entirety in machine-readable form.)

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